Abstract

A planar magnetic transducer having enhanced magnetic structures which increases performance over a single-ended device but mitigates some of the drawbacks of double ended devices, including a supporting structure, a diaphragm incorporating a coil conductor at least a primary magnetic structure, and a secondary magnetic structure can be added, including mitigation of high frequency resonance and attenuation by providing a more open architecture, including spacing the magnets wider apart, configuring the inter-magnet spaces to provide better acoustic performance, using high-energy magnets, which magnets can be shaped to form at least a part of the shaped inter-magnet space.